

Surname and name Hoyo Saucedo, Pablo List number 16

1. What percentage of the boy population is underweight?

There is a 5th of boys population that is underweight.

2. What percentage of the girl population is healthy weight?

There is a 80th of girl population that is healthy weight.

3. What percentage of the boy population is obese?

There is a 5th of boy population that is obese.

4. A 13 years old girl who is 1.60m tall and weighing 45 Kg, what is her BMI? Mark on the graph the position drawing a dot. How is her weight (under, healthy, over or obese)?

$$BMI = \frac{\text{Weight (kg)}}{\text{Height}^2 (\text{m}^2)} = \frac{45 \text{ kg}}{1,60 \text{ m}^2} = \frac{45 \text{ kg}}{2,56} = 17,57.$$

She has got a healthy weight.

5. A 16-year-old boy who weighs 60 kg and is 1.70 m tall. What is his BMI? Mark on the chart the position drawing a dot. How is his weight (under, healthy, over or obese)?

$$BMI = \frac{\text{Weight (kg)}}{\text{Height}^2 (\text{m}^2)} = \frac{60 \text{ kg}}{1,70 \text{ m}^2} = \frac{60 \text{ kg}}{2,89 \text{ m}^2} = 20,76$$

He has got a healthy weight.

6. Calculate your BMI index Age= 12

$$BMI = \frac{\text{Weight (kg)}}{\text{Height}^2 (\text{m}^2)} = \frac{42 \text{ kg}}{1,55 \text{ m}^2} = \frac{42 \text{ kg}}{2,40 \text{ m}^2} = 17,5$$

I have got a healthy weight.